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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/609,633

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EXAMINER

NGUYEN, KHAI MINH

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/609,633	Applicant(s) WISNIEWSKI ET AL.	
	Examiner KHAI M. NGUYEN	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 November 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.
2. Applicant's arguments with respect to claims 1-8 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1, 4-5, and 7-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suonviervi (U.S.Pat-6445919), in view of Senoh (U.S.Pub-20020078178), and further in view of Schuetze et al. (U.S.Pat-6101320).

Regarding claim 1, Suonvieri teaches method for providing service management to network elements of a cellular communication network (fig.4), said network elements communicating with an Operation and Maintenance Center (fig.4, NMS) of the communication network communicating center of said cellular communication network (fig.4) by sending data having a data exchange format specific data format (col.4, lines 12-20) at a mediation server (not show), wherein said method comprises:

Suonvieri fails to specifically disclose a mediation server, and identifying at said mediation server a change in used data exchange format from a first data exchange format to a second identified data exchange format.

However, Senoh teaches a mediation server (item 2), and identifying at said mediation server (item 2) a change in used data exchange format from a first data exchange format to a second identified data exchange format ([0077] server 2 converts the format specification of the content from a first format to a second format if the format (first format specification) of the content stored on the content server 3 is not the same as the format (second format specification) required for viewing on the user terminal 1).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the teaching of Senoh to Suonvieri to provide method for conversion to the desired format specification.

Suonvieri and Senoh fail to specifically disclose dynamically switching from first data exchange format to said second identified data exchange format.

However, Schuetze teaches dynamically switching from first data exchange format to said second identified data exchange format (col.3, lines 17-47).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the teaching of Schuetze to Suonvieri and Senoh fail to provide method for exchanging data between separate organizations which may use dissimilar data formats to receive and send data.

Regarding claim 4, Suonvieri, Senoh, and Schuetze further teach method according to claim 1, wherein said data exchanged between said at least one of said network element and said Operation (see Suonvieri, fig.4, NMS) and Maintenance Center contains a new software version download (see Schuetze, col.6, lines 17-46) from the Operation and Maintenance Center to said at least one of said network element (see Suonvieri, fig.5, abstract, col.2, lines 45-60).

Regarding claim 5, Suonvieri teaches a mediation server (fig.5) used for translating a first data exchange format used by a network element of a cellular communication network to a second data exchange format used by an center specific data format used by an Operation and Maintenance (fig.4, NMS); wherein said mediation server (not show) comprises:

Suonvieri fails to specifically disclose a mediation server, and mean for identifying a change in used data exchange format from a first data exchange format to a second identified data exchange format.

However, Senoh teaches a mediation server (item 2), and mean for identifying (item 2) a change in used data exchange format from a first data exchange format to a second identified data exchange format ([0077] server 2 converts the format specification of the content from a first format to a second format if the format (first format specification) of the content stored on the content server 3 is not the same as the format (second format specification) required for viewing on the user terminal 1).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the teaching of Senoh to Suonvieri to provide method for conversion to the desired format specification.

Suonvieri and Senoh fail to specifically disclose dynamically switching from first used data exchange format to said second identified data exchange format.

However, Schuetze teaches dynamically switching from first used data exchange format to said second identified data exchange format (col.3, lines 17-47).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the teaching of Schuetze to Suonvieri and Senoh to provide method for exchanging data between separate organizations which may use dissimilar data formats to receive and send data.

Regarding claim 7, Suonvieri, Senoh, and Schuetze further teach the mediation server according to claim 5, wherein the mediation server (see Senoh, item 2) is a software component part of said Operation and Maintenance Center (see Schuetze, fig.3, see Suonvieri, fig.4).

Regarding claim 8, Suonvieri, Senoh, and Schuetze further teach the mediation server according to claim 5, wherein the mediation server (see Senoh, item 2) is a software component on a standalone device connectable to said Operation and Maintenance Center (NMS) (see Schuetze, fig.3, see Suonvieri, fig.4).

5. Claims 2 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suonviervi (U.S.Pat-6445919),), in view of Senoh (U.S.Pub-20020078178), in view of Schuetze et al. (U.S.Pat-6101320), and further in view of Lucas et al. (U.S.Pub-20050278710).

Regarding claim 2, Suonvieri, Senoh, and Schuetze further teach a method according to claim 1, wherein it further comprises the steps of:

representing said second identified data exchange format in an object oriented program (see Schuetze, col.1, lines 42-59, col.3, lines 17-47), and dynamically uploading the class using the Java programming language (not show) to switch from said first data exchange format to said second identified data exchange format (see Schuetze, col.1, lines 42-59, col.3, lines 17-47).

Suonvieri, Senoh, and Schuetze fail to specifically disclose Java programming language. However, Lucas teaches Java programming language (paragraph 0054).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the teaching of Lucas to Suonvieri, Senoh, and Schuetze to provide for manipulating data representation language based-objects in a native programming language environment.

Regarding claim 6 is rejected with the same reasons set forth in claim 2.

6. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Suonviervi (U.S.Pat-6445919),), in view of Senoh (U.S.Pub-20020078178), in view of

Schuetze et al. (U.S.Pat-6101320), and further in view of Rubinstein et al. (U.S.Pat-6757373).

Regarding claim 3, Suonvieri, Senoh, and Schuetze further teach the method according to claim 1,

Suonvieri, Senoh, and Schuetze fail to specifically disclose selecting one out of a plurality of mediation servers for handling information from at least one of said network elements according to a predefined load balancing.

However, Rubinstein teaches selecting one out of a plurality of mediation servers for handling information from at least one of said network elements according to a predefined load balancing (abstract, col.3, lines 17-31).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the teaching of Rubinstein to Suonvieri, Senoh, and Schuetze to provided method for routing a call effect load balancing between mediation devices.

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to KHAU M. NGUYEN whose telephone number is (571)272-7923. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vincent P. Harper can be reached on 571.272.7605. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/VINCENT P. HARPER/
Supervisory Patent Examiner, Art Unit 2617

/Khai M Nguyen/
Examiner, Art Unit 2617

12/20/2008